

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. \_\_\_\_\_

FOR

VINTAGE PRODUCTION CALIFORNIA LLC  
KERN FRONT FIELD  
KERN COUNTY

The Discharger shall not implement any changes to this Program unless and until the Regional Water Board or Executive Officer issues a revised Monitoring and Reporting Program. Changes to sampling locations shall be established with concurrence of the Regional Water Board staff, and a description of the sampling stations shall be attached with said concurrence to the Discharger's copy of this Order.

Sample collection, storage, and analyses shall be performed according to methods approved by the Executive Officer of the Regional Water Board. All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each sample shall be recorded on the sample chain of custody form. All analyses shall be performed in accordance with the Standard Provisions, Provisions for Monitoring.

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health Services (DHS) or a laboratory waived by the Executive Officer from obtaining a certification for these analyses by the DHS. The director of the laboratory whose name appears on the certification or his or her laboratory supervisor who is directly responsible for analytical work performed shall supervise all analytical work, including appropriate quality assurance/quality control procedures in his or her laboratory, and shall sign all reports of such work submitted to the Regional Water Board.

**EFFLUENT MONITORING**

Effluent samples shall be representative of the volume and nature of the discharge. Time of collection of the samples shall be recorded.

If the discharge is intermittent rather than continuous, then on the first day of each such intermittent discharge, the Discharger shall monitor and record data for all of the constituents listed below, after which the frequencies of analysis given in the schedule shall apply for the duration of each such intermittent discharge. In no event shall the Discharger be required to monitor and record data more often than twice the frequencies listed in the schedule.

If results of monitoring a waste constituent appear to violate annual average limitations, the frequency of sampling should be increased until compliance is verified. If effluent monitoring detects a waste constituent at concentrations greater than a daily maximum limitation, the Discharger shall resample and reanalyze the discharge immediately after receiving knowledge of the exceedance.

When discharge of produced water occurs at any of the three discharge locations, effluent samples shall be collected from the outfall structures at Discharges 001, 002, and 003 prior to

entry into the unlined ditches. Effluent monitoring for Discharges 001, 002, and 003 shall include at least the following:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Flow	mgd	Computed	Daily
Electrical Conductivity (EC)	umhos/cm	Grab	Monthly
Chloride	mg/L	Grab	Monthly
Boron	mg/L	Grab	Monthly
Oil and Grease	mg/L	Grab	Monthly
pH	standard	Grab	Monthly
Total Suspended Solids	mg/L	Grab	Monthly
Temperature	°C (°F)	Grab	Monthly
Turbidity	NTU	Grab	Monthly
Standard Minerals <sup>1</sup>	mg/L	Grab	Annual

<sup>1</sup> - Includes TDS, Sulfate, Nitrate, Bicarbonate Alkalinity, Carbonate Alkalinity, Calcium, Magnesium, Potassium, Sodium, Hardness, Silica, Iron, Ammonia, and Phosphate.

### RECEIVING WATER MONITORING

When discharge of produced water occurs at any of the three discharge locations, observations shall be made and notes on the conditions of the ditches shall be collected weekly and summarized in the monitoring reports. At a distance of approximately 250 feet downstream from each discharge location, attention shall be given to the presence of:

- |                                 |  |
|---------------------------------|--|
| a. Floating or suspended matter | e. Visible films, sheens, or coatings      |
| b. Discoloration                | f. Fungi, slimes, or objectionable growths |
| c. Bottom Deposits              | g. Potential nuisance conditions           |
| d. Aquatic Life                 |  |

### REPORTING

Monthly monitoring data shall be reported on a quarterly basis. Quarterly and annual monitoring reports shall be submitted to the Regional Water Board by the **first day of the second month following each calendar quarter or year**, respectively. Reports shall be submitted whether or not there is a discharge.

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the data, the constituents, and the concentrations are readily discernible. **The data shall be summarized in such a manner that indicates clearly whether the discharge complies with waste discharge requirements.**

If the Discharger monitors any waste constituent at the location designated herein more frequently than is required by this Order, the results of such monitoring shall be included in the calculation and reporting of the values required in the monitoring reports.

By **1 February** of each year, the Discharger shall submit a written report to the Executive Officer containing the following:

- The names and general responsibilities of all persons employed to operate the produced water treatment systems.
- The names and telephone numbers of persons to contact regarding the facility for emergency and routine situations.
- A statement certifying when monitoring instruments and devices for purposes of assuring compliance with this Order were last calibrated, including identification of who performed the calibration (Standard Provision C.3).
- A statement certifying whether the current operation and maintenance manual, and contingency plan, reflect the wastewater treatment facility as currently constructed and operated, and the dates when these documents were last revised and last reviewed for adequacy.

The Discharger may also be requested to submit an annual report to the Regional Water Board with both tabular and graphical summaries of the monitoring data obtained during the previous year. Any such request shall be made in writing. The report shall discuss the compliance record. If violations have occurred, the reports shall also discuss the corrective actions taken and planned to bring the discharge into full compliance with the waste discharge requirements.

All reports submitted in response to this Order shall comply with the signatory requirements of Standard Provision B.3.

At any time during the term of this permit, the State or Regional Water Board may notify the Discharger to electronically submit Self-Monitoring Reports (SMRs) using the State Water Board's California Integrated Water Quality System (CIWQS) Program Web site (<http://www.waterboards.ca.gov/ciwqs/index.html>). Until such notification is given, the Discharger shall submit hard copy SMRs. The CIWQS Web site will provide additional directions for SMR submittal in the event there will be service interruption for electronic submittal.

The Discharger shall implement the above monitoring program on the effective date of this Order.

Ordered by: \_\_\_\_\_  
PAMELA C. CREEDON, Executive Officer

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(Date)